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(1)

図面

~~図1~~ Fig. 1

AGGAAGACGGAGGAGAAGCTAGCTACACCAACCTCGTAGCAGGGAGATCCAAACCATATC	CGAGGAGG	-61
ATGAAGTTTCCAGGGCTTTCCAAAACCAGAGATTGTCTTCTGTRGAAAAGGCAATC		-1
M K F P G E L E N Q R L S F L L E K A I		60
ACTAGGGAAAGCACAGATGTGGAAAGTGAATGTGCGGAAAATGCCCTCAAATCAGAATGTT		120
T R E A Q H W K V N V R K H P S N Q N V		
TCTCCATCCCACACAGATCAACTAATTCAATGGCT3GCCAAACTCAAGTACCAATTCAAC		180
S P S Q R D E V I Q W L A K L K Y Q F N		
CTTACCCAGAAACATTGGCTCTGGCTAGCAGTCTTTGGATAGGTTTAGCTACCGTA		240
L Y P E T F A L A S S L E D R F L A T V		
AACCCCTCATCCAAAATACTTCAGTTGTTATTCACCTCTTTTCCCTAGCTGCCAG		300
K A H P K Y L S C I A I S C F F L A A K		
ACTGTTGAGGAAGATGAGAGAATTCCAGTACTAAAGGTATTGGCAAGAGACAGTTCTGT		360
T V E E D E R I P V L K V L A R D S F C		
GGATGTTCTCATCTGAAATTGGAGAATGGAGAATTATTCTGGATAACTTGAATTGG		420
C C S S E I L R H E R I I L D K L N W		
GATCTTCACACAGCCACACCATTGGATTCTTCATATTTCCATGCCATTGCACTGTC		480
D L H T A T P L D F L H I F H A I A V S		
ACTAGGCCTCAGTTACTTTCACTTGGCCAAATTGAGCCCATCTAACATTGGCACTC		540
T R P Q L L F S L P K L S P S Q H L A V		
CTTACCAACCAACTACTTCACTGTATGGCTGCCACCAACTCTGCAATTGAGGGATCC		600
L T K Q L L H C M A C N Q L L Q F R G S		
ATGTTGCTCTGGCCATGGTTAGCTGGAAATGGAGAAACTCATTCTGATTTGGCTTCT		660
M L A L A M V S L E M E K L I P D W L S		
CTTACAATTCAACTCTCAGAAACGACACATGGATAACCTCCACTGATCCATTGTCGG		720
L T I E L L Q K A Q M D S S Q L I H C R		
GAGCTTGGCACATCACCTTCTACTCTGCACTCTCCCTGCCCTGAATTCCGTTAT		780
E L V A H H L S T L Q S S L R L N S V Y		
GTCTACCGTCCCCCTAACCAACACCTCGTACCTGTGACAAACGACTGTCAGATTACAT		840
V Y R P L K H T L V T C D K G V F R L H		
CCCTCCCTCTCTCCAGGCCCAGACTCTCCAAGGACAACAGCAAGCCAGAAGTGCCAGTC		900
P S S V P G P D F S X P N S K P E V P V		
AGAGGTACAGCAGCTTTACCATCATCTCCAGCTGCCAGTGGGCTCAAGCAGACCTCT		960
R G T A A P Y H H L P A A S G C K Q T S		
ACTAAACGCAAAGTAGAGGAAATGCAAGTGGATGACTCTATGATGAAATCAAACGGCTC		1020
T K R K V E E H E V D P F Y D G I K R L		
TATAATGAAGATAATGTCTAGAAAAATGTGGGTTCTGTGTTGTCAGTGAATTATCAAGA		1080
Y N E D N V S E N V G S V C G T D L S R		
CAAGACCCACATCTCTCCCTCTCCACCTTCTGAGCCCTCTCTCATCTAGTTCAA		1140
Q E G H A S P C P P L Q P V S V H		
CAAGTGCTACCTTGAGTGTAAACTAAGGTAGACTACTTGGAAATGAGAACATCCAAA		1200
TCAGGAAAGGCTGTAGAAGGAAATATACCTAACAGGCTGATTGGAGTGACCCAGAAA		1260

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~~Fig. 2~~ Fig. 2

A

CYCLIN A	----MRAI-LVD N VEVGEEYKL--QNE N HLH N AVNY	238
CYCLIN B	----MRAI-L D EVQVQMKERG--LQ N MYMT N Y	229
CYCLIN C	----L O IF-ETHV I Q A GEHLK N --RQ Q V I AT T VY	88
CYCLIN D	----M R KI-EAT N MLEVCEE Q AC--EE E V W P N AVNY	94
CYCLIN E	----MRAI-L D D N MEVCEVYK N --H R S Y N QDF	157
CYCLIN F	----M R YI-L D D N MEVCEVYK N --H R S Y N QDF	337
CYCLIN G	M T ARL R D E EV K D L SLTQF--T S L C L H T V EC	33
CYCLIN H	----L C Y V -Y E K R LE P CSV E P A M P R S V V G T CMY	86
CYCLIN I	VSPSQ R D- E VQ W IAK E YQ N Y E Y P ET A AS S	72
 CYCLIN A	I D R E SSM-SVLRCKEQLVGTAA M LN S --FEE	269
CYCLIN B	I D R E M N N-C V E X KM L OLV G V T AM N LN S --Y E	260
CYCLIN C	F K EY Y RY-SL K SIDP V LM A P T V W S --V E	119
CYCLIN D	D D R E S SL E -P V K R S R D L G A T Q M V S E --M K E	115
CYCLIN E	F D R Y M X Q E N V V N T L H O G T G S L E Y E --L E	199
CYCLIN F	V D Y E Y R RR-L V E R Y R D Q L L G A M V I C T R --F I S	368
CYCLIN G	D D R E S K M E V Q A -H E G Y VG L E S Y X Y V S I E E	66
CYCLIN H	F K EY Y L N N-S V M E Y H P R I M L T A S A C K E --V D E	117
CYCLIN I	D C R E A T A V A H E -Y E S C Y S C S Y A T V E E	105
 CYCLIN A	I T P E V A E F V Y I-T D D T Y T K--K Q V E -	295
CYCLIN B	M Y F E I G D F A F V-T D N T Y T K--H O E R -Q E	286
CYCLIN C	F G V V S N T R I A A A T S V L K T R F S Y A F P K E P Y S	153
CYCLIN D	T I D L T A E K C I Y-T D N S I R P--E H L L -Q E	141
CYCLIN E	I T P E K E H Q F E V Y -T D G A C S G--D E M I -T E	215
CYCLIN F	K E H L T I R E A V W L -T D N T Y K --E D V E R N M	394
CYCLIN G	R N V E L A T D C I I E -S Q Y R P T V--E D -L M K M	92
CYCLIN H	F N -V S S P --Q E V G N L R E S F L G Q E K A	141
CYCLIN I	E R I E V L K V S A R D -S F C G S S --B E G E -R M	131

B

CYCLIN G:
 CYCLIN I: M~~K~~E~~D~~O~~P~~L~~E~~N~~Q~~ R~~S~~E~~T~~E~~L~~E~~K~~A~~I~~ T~~R~~E~~A~~Q~~M~~W~~K~~V~~N~~ V~~R~~K~~M~~P~~S~~N~~Q~~N~~Y~~ R~~S~~O~~E~~R~~E~~-E~~V~~ 11

CYCLIN G: D~~L~~~~S~~L~~T~~Q~~F~~-~~H~~ G~~P~~D~~T~~E~~T~~E~~S~~U~~V~~ M~~E~~V~~G~~E~~F~~E~~Z~~K~~N~~ M~~E~~V~~G~~A~~X~~G~~E~~H~~E~~ V~~O~~L~~E~~S~~Y~~Y~~A~~V 49

CYCLIN I: Q~~W~~H~~A~~K~~L~~E~~Y~~O~~E~~ N~~L~~E~~P~~E~~T~~A~~M~~ S~~S~~U~~E~~E~~L~~A~~T~~ V~~C~~A~~R~~P~~Y~~E~~H~~ I~~A~~T~~R~~E~~E~~A~~A~~ 60

CYCLIN G: E~~S~~I~~E~~E~~S~~R~~N~~V~~E~~ L~~A~~T~~D~~E~~I~~E~~T~~Q~~E~~ Y~~R~~P~~T~~V~~E~~O~~M~~ A~~E~~E~~K~~E~~V~~E~~K~~ C~~I~~K~~V~~K~~A~~T~~A~~Y~~A~~ 109

CYCLIN I: E~~S~~I~~E~~E~~S~~R~~N~~V~~E~~ V~~L~~K~~V~~E~~A~~E~~T~~ C~~C~~G~~E~~S~~H~~I~~E~~ E~~E~~E~~A~~ 148

CYCLIN G: Q~~E~~E~~O~~L~~T~~E~~S~~ R~~E~~E~~L~~--P~~E~~R-A~~R~~D~~L~~N~~F~~ E~~R~~I~~E~~A~~N~~E~~N~~A~~E~~ -E~~H~~R~~I~~E~~P~~R~~E~~A 153

CYCLIN I: D~~E~~H~~I~~H~~P~~A~~I~~A~~I~~ V~~S~~C~~E~~Q~~L~~P~~S~~ L~~P~~K~~L~~S~~P~~Q~~S~~Q~~E~~L~~N~~ A~~V~~E~~N~~K~~O~~L~~E~~E~~H~~ M~~A~~N~~G~~L~~L~~-Q~~E~~ 157

CYCLIN G: K~~F~~S~~V~~E~~E~~X~~X~~ A~~L~~E~~Q~~Q~~A~~T~~V~~ E~~E~~T~~E~~G~~V~~C~~I~~E~~E~~ E~~H~~K~~I~~S~~G~~R~~D~~E~~E~~ T~~P~~W~~O~~E~~E~~S~~E~~C~~E~~ 203

CYCLIN I: K~~F~~S~~V~~E~~E~~X~~X~~ A~~L~~E~~Q~~Q~~A~~T~~V~~ S~~H~~E~~M~~E~~K~~E~~A~~D~~E~~ W~~H~~S~~L~~T~~X~~E~~L~~Q~~E~~ H~~A~~Q~~H~~D~~E~~S~~G~~Q~~E~~ I~~E~~C~~R~~E~~A~~Y~~A~~E~~E~~ 246

CYCLIN G: E~~T~~Y~~S~~S~~N~~K~~C~~-~~S~~K~~P~~N~~G~~Q~~K~~E~~E~~ W~~V~~S~~G~~R~~T~~A~~R~~Q~~E~~ L~~K~~E~~S~~Y~~Y~~R~~I~~TH~~E~~ L~~P~~T~~I~~P~~S~~T~~M~~G~~E~~ 250

CYCLIN I: E~~T~~Y~~S~~S~~N~~K~~C~~-~~S~~K~~P~~N~~G~~Q~~K~~E~~E~~ H~~T~~L~~V~~T~~C~~D~~K~~G~~V~~ P~~R~~L~~H~~P~~S~~S~~V~~P~~C~~ P~~D~~P~~S~~K~~D~~N~~G~~K~~E~~ 296

CYCLIN I: B~~V~~V~~V~~R~~G~~T~~A~~F~~E~~ Y~~E~~H~~L~~P~~A~~S~~G~~C~~E~~ K~~O~~T~~E~~T~~K~~R~~K~~V~~E~~ E~~M~~E~~V~~D~~D~~F~~Y~~D~~G~~ I~~K~~R~~L~~Y~~N~~E~~D~~N~~V~~ 346

CYCLIN I: B~~V~~V~~V~~G~~S~~V~~C~~G~~E~~ D~~L~~S~~A~~Q~~E~~G~~H~~A~~S~~ P~~C~~P~~R~~L~~Q~~Q~~V~~S~~V~~ M~~E~~ 377

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~~Fig. 3~~ Fig. 3